CLAIMS

- A measuring arrangement, in particular for spectroscopic measurements on particulate or liquid samples, comprising:
 - a measuring cuvette (10) for accommodating the sample, having at least one window (11) through which the sample (3) can be exposed to radiation, and
 - a rotating mount (20) with which the measuring cuvette (10) can be rotated about a predetermined axis of rotation (1),

characterized in that the alignment of the axis of rotation (1) deviates from a vertical reference direction.

- 2. The measuring arrangement according to Claim 1, wherein the axis of rotation (1) is aligned horizontally.
- 3. The measuring arrangement according to Claim 1 or 2, wherein the measuring cuvette (10) has a coupling device which cooperates with a driving device of the rotating mount (20).
- 4. The measuring arrangement according to Claim 3, wherein the coupling device has a coupling surface (18) or a groove for a belt drive.
- 5. The measuring arrangement according to one of the preceding claims, wherein the measuring cuvette (10) is composed of two shells (12, 13) which are held together by a ring frame (14).
- 6. The measuring arrangement according to Claim 5, wherein the two shells (12, 13) have different volumes.

- 7. The measuring arrangement according to one of the preceding claims, wherein the measuring cuvette (10) contains mechanical mixing elements (19).
- 8. The measuring arrangement according to one of the preceding claims, wherein the measuring cuvette (10) has an opening for sample charging and removal.
- 9. A measuring device, in particular for spectroscopic measurements on particulate samples, comprising a measuring arrangement according to one of the preceding claims and a spectrometer (30).
- 10. The measuring device according to Claim 9 having an actuator unit (40) with which the measuring cuvette (10) can be moved from a loading position into a calibration position or measurement position.
- 11. A method for spectroscopic measurement on a particulate or liquid sample arranged in a measuring cuvette (10) which can be rotated with a rotating mount (20), whereby at least two spectroscopic measurements are performed, and between the measurements, the measuring cuvette (10) is rotated about an axis of rotation (1) which deviates from a vertical reference direction.
- 12. The method according to Claim 11, wherein the measuring cuvette (10) is rotated about a horizontal axis of rotation (1) between two measurements.
- 13. A use of a measuring arrangement, a measuring device or a method according to one of the preceding claims for spectroscopic analysis of particulate, free-flowing or suspended or liquid samples, in particular agricultural products such as cereal grain or suspensions.